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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/812,567	03/21/2001	Jung-Ho Song	Q61616	2641

7590

06/10/2004

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EXAMINER

CLARK, ISAAC R

ART UNIT

PAPER NUMBER

2154

DATE MAILED: 06/10/2004

4

Please find below and/or attached an Office communication concerning this application or proceeding.

SL

Office Action Summary

Application No.

09/812,567

Applicant(s)

SONG ET AL.

Examiner

Isaac R Clark

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 21 March 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-8 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-8 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 21 March 2001 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 3 06/26/2003
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

1. Claims 1-8 are presented for examination.

Priority

2. Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.
3. The effective filing date for the subject matter defined in the pending claims in this application is 03/22/2000.

Drawings

4. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they include the following reference sign(s) not mentioned in the description:

The reference sign "a" in Figures 6 and 7.

A proposed drawing correction, corrected drawings, or amendment to the specification to add the reference sign(s) in the description, are required in reply to the Office action to avoid abandonment of the application. The objection to the drawings will not be held in abeyance.

Specification

5. The disclosure is objected to because of the following informalities:

On page 1, line 10, "internet" should be replaced by "the internet" or preferably "the Internet". It is recommended that when "the Internet" is intended rather than "an internet", that "Internet" be capitalized.

On page 5, lines 11-13, "A detailed construction" should be replaced with "The detailed construction" in order to make the sentence grammatically correct.

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On page 7, lines 12-13 the term "web base" is used. The term is not defined in the specification, and the intended meaning of this term is not evident from the context. Either the term should be defined or standard terminology should be used.

Appropriate correction is required.

Claim Rejections - 35 USC § 102

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

6. Claims 1-8 are rejected under 35 U.S.C. 102(e) as being anticipated by Cheng (US 20010032273).

7. As per claim 1, Cheng teaches an internet protocol (IP) interfacing apparatus for controlling predetermined target devices for non IP-based networks 130 (Fig. 2; Paragraph 0023, HAVi networks) with other predetermined target devices for IP-based networks 210 (Fig. 2; Paragraphs 0009 and 0024), comprising:

a dynamic home page assisting section (items 370 and 360, Fig. 3) for processing a dynamic homepage by collecting information on said predetermined target devices for non IP-based networks and assisting in construction of a dynamic web server (Paragraph 0036, lines 1-14); and

a function control converting section for converting a function control demand by one of said IP-based networks to a function control command for one of said non IP-based networks by converting a predetermined function selected in at least one of said

IP-based networks to a control command in at least one of said non IP-based networks (Paragraph 0036, lines 15-25).

8. As per claim 2, Cheng teaches the interfacing apparatus of claim 1, wherein said dynamic home page assisting section assists in processing said dynamic home page by assisting in construction of said dynamic web server after collecting information on said non IP-based network target devices through a function control protocol (Paragraph 0036, lines 8-11).

9. As per claim 3, Cheng teaches the interfacing apparatus of claim 1, wherein said dynamic home page assisting section assists in processing said dynamic home page by assisting in construction of said dynamic web server after collecting information on said non IP-based network devices through an interoperation protocol (Fig 3; Paragraphs 0007 and 0036; "HAVi Protocol").

10. As per claim 4, Cheng teaches the interfacing apparatus of claim 1, wherein said IP-based networks are accessible over the internet (Fig 2), and said non IP-based networks have a protocol standardized for controlling functions between devices (Paragraph 0024, "device control module, DCM" and "HAVi functional control module [FCM]").

11. As per claim 5, Cheng teaches the interfacing apparatus of claim 4, wherein said protocol is standardized in such a way that information is provided, said information includes functions of the target devices in said non IP-based networks (Paragraph 0036, lines 9-15).

12. As per claim 6, Cheng teaches the interfacing apparatus of claim 3, wherein said interoperation protocol applicable to said non IP-based networks is HAVi based on an IEEE1394 interface (Fig 2. item 2; Paragraph 0022). While Cheng does not explicitly describe an IEEE 1394 interface, compliance with IEEE 1394 is an inherent part of the HAVi specification.

13. As per claim 7, Cheng teaches a method for controlling non IP-based network target devices 250 (Fig 2. Paragraphs 0022 and 0023) in an IP interfacing apparatus 260 (Fig. 3) that assists in processing a dynamic home page in accordance with assistance in construction of a dynamic web server, by collecting information on predetermined target devices for non IP-based networks 130 (Fig. 3), and converting a function control demand by an IP-based network to a function control command for a non IP-based network by converting a predetermined function selected (Paragraph 0036) in at least one of a plurality of IP-based networks 170 (Figure 3; Paragraph 0010) to a control command in at least one of the non IP-based networks (Paragraph 0036) , said method comprising:

a first step of initializing between said IP interfacing apparatus and one of the non IP-based network target devices (Paragraph 0036, lines 1-4);

a second step of demanding information from a node by said IP interfacing apparatus, and collecting information from said node when one of said target devices responds thereto (Paragraph 0036, lines 5-18);

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a third step of constructing a home page which can provide functions of said target devices based on the collected information from said node if said target devices are found to be predetermined devices (Paragraph 0036, lines 10-15);

a fourth step of connecting a control device of said at least one of said plurality of IP-based network to said home page so that said control device accesses and controls at least one of said target devices (Paragraph 0036, lines 12-17);

a fifth step of controlling said at least one of said target devices of said non IP-based networks by converting the command from said control device to the control command relevant to said at least one of said target devices and receiving a response from said at least one of said target devices (Paragraph 0038); and

a sixth step of performing an operation in accordance with said converted control command relevant to said at least one of said target devices (Paragraph 0038).

14. As per claim 8, Cheng teaches the method of claim 7, further comprising a step of exchanging information on regulation of HAVi pertinent to a particular function as demanded between said predetermined non IP-based network target devices when said control device of said IP-based networks requests control of a particular function through the constructed home page (Paragraph 0043).

Conclusion

15. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.


- i. US 20010047431 Eytchison, Edward B.
- ii. US 6,618,764 Shteyn, Yevgeniy Eugene

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Isaac R Clark whose telephone number is (703)605-1237. The examiner can normally be reached on Monday-Friday 8:00am-4:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John A Follansbee can be reached on (703)305-8498. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


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